Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 6.1.3
Input Device:	Carousel	Date:	03/09/2015 11:11 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	10/20/2014 10:06 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product: CST Setup Beads, Part #: 910723
Lot ID: 51739, Expiration Date: 01/31/2016
Bead Lot Information: Available

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124607	-1	1.36	124425	1.28
Blue	F	SSC	125000	124410	-1	2.68	125336	2.32
Blue	E	FITC	17374	16529	-5	2.32	930	8.71
Blue	D	PE	22653	22094	-3	1.91	998	7.73
Blue	B	PerCP-Cy5-5	64987	63789	-2	2.59	1683	12.67
Blue	A	PE-Cy7	74081	72444	-3	3.59	949	24.00
Red	C	APC	61430	60731	-2	2.58	3430	7.82
Red	A	APC-Cy7	88289	87334	-2	2.67	1727	7.58
Violet	B	V450	12535	12061	-4	2.90	748	7.41
Violet	A	V500	47468	45582	-4	2.40	2581	5.02

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	20139	5.00	588	9	N/A	N/A	Pass
Blue	F	SSC	62144	1.60	499	10	N/A	N/A	Pass
Blue	E	FITC	102	33.78	514	5	0.0261	61	Pass
Blue	D	PE	207	24.24	508	7	0.1938	173	Pass
Blue	B	PerCP-Cy5-5	207	38.23	588	8	0.0120	9	Pass
Blue	A	PE-Cy7	72	92.66	645	8	0.0159	7	Pass
Red	C	APC	321	25.22	571	1	0.0231	15	Pass
Red	A	APC-Cy7	109	37.82	547	1	0.0054	1156	Pass
Violet	B	V450	79	39.98	450	1	0.0547	1945	Pass
Violet	A	V500	169	21.07	478	0	0.0178	529	Pass

Specifications

PMTV Delta from baseline: 50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Spec. (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.62	47.70 - 71.54	N/A	N/A	-31.51	-31.31	0.89
Blue	20.46	16.35 - 24.53	1.26	1.00 - 1.50	0.00	0.00	1.30
Red	15.33	13.07 - 19.61	N/A	N/A	31.77	32.04	1.12

Window Extension: 7.00
FSC Area Scaling Factor: 0.89

Threshold

Threshold (FSC): 10070

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments